

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


Applicant: Raghu Raghavan, et al. Examiner: Unknown  
Serial No. 09/745,039 Group Art: 3737  
Filed: December 20, 2000 Docket No. 723.100US1  
Title: METHOD FOR DYNAMIC CHARACTERIZATION OF DENSITY FIELDS IN  
A COMPOUND STRUCTURE

**OFFICE OF PETITIONS  
ASSISTANT COMMISSIONER FOR PATENTS  
BOX DAC  
WASHINGTON, D.C. 20231**

**The following documents are hereby submitted:**

- ☒ Petition to Revive An Unintentionally Abandoned Application under 37 C.F.R. 1.137(b) (3 pages), Auth. For Petition Fee
- ☒ Copy of Notice of Abandonment
- ☒ Copy of Notice to File Corrected Application Papers, Filing Receipt
- ☒ Copy of Patent Application as filed 12/20/00
- ☒ Copy of Information Disclosure Statement, Form 1449 as filed 03/21/01
- ☒ Copy of Notice of Recordation of Assignment Document
- ☒ Communication Re: Submission of Formal Drawings
- ☒ 14 sheets of Formal Drawings
- ☒ Request for 3-month Extension of Time
- ☒ Transmittal Sheet
- ☒ Return postcard

**MARK A. LITMAN & ASSOCIATES, P.A.**  
York Business Center, Suite 205, 3209 W. 76<sup>th</sup> St.  
Edina, MN 55435 (952-832-9090)

By:   
Atty: Mark A. Litman  
Reg. No. 26,390

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Box DAC, Washington, D.C. 20231 on September 12, 2002.

Mark A. Litman  
Name

  
Signature

**RECEIVED**

SEP 19 2002

**OFFICE OF PETITIONS**



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/745,039	12/20/2000	Raghu Raghavan	723.100US1

Mark A. Litman & Associates, P.A.  
York Business Center, Suite 205  
3209 West 76th St.  
Edina, MN 55435



CONFIRMATION NO. 7943  
ABANDONMENT/TERMINATION  
LETTER



\*OC000000008682726\*

Date Mailed: 08/26/2002

## NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 05/22/2001.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to "Office of Petitions" at (703) 305-9282.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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received  
8/30/02 AM



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/745,039	12/20/2000	Raghu Raghavan	723.100US1

CONFIRMATION NO. 7943

## FORMALITIES LETTER



\*OC000000006101557\*

Mark A. Litman & Associates, P.A.  
York Business Center, Suite 205  
3209 West 76th St.  
Edina, MN 55435



Date Mailed: 05/22/2001

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

*Filing Date Granted*

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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SEP 19 2002

OFFICE OF PETITIONS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

Applicant: Raghu Raghavan et al.  
 Serial No. New Application  
 Filed: New Application Docket No. 723.100US1  
 Title: A METHOD FOR DYNAMIC CHARACTERIZATION OF DENSITY FIELDS  
 IN A COMPOUND STRUCTURE

Box **PATENT APPLICATION**

Assistant Commissioner for Patents  
 Washington, D.C. 20231

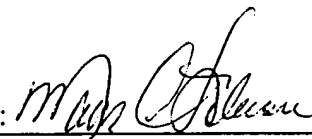
- ☒ Patent application including 27 pages of specification, 37 claims and 1 page of abstract
- ☒ Signed Declaration and Power of Attorney
- ☒ Assignment to Image-Guided Neurologics, Inc.
- ☒ Recordation Form Cover Sheet
- ☒ Statement of Small Entity Status
- ☒ Transmittal Sheet
- ☒ Return postcard

The charges for this application are calculated as follows:

CLAIMS FILED					
	Total Claims	In Excess of	Extra Claims Present	Rate	Fees
Basic Filing Fee					\$355.00
Total Claims	37	20	17	X \$ 9.00	\$153.00
Indep. Claims	2	3	0	X \$40.00	\$ 0.00
Multiply Dependent Claims					\$ 0.00
TOTAL FEES					\$508.00

Authorization is hereby given to charge Deposit Account Number 50-1391 for the aforementioned amount of \$508.00. Any deficiency in payment for these fees should cause the filing to be treated as a filing with missing parts, which missing parts would be provided upon notification by the USPTO.

MARK A. LITMAN & ASSOCIATES, P.A.  
 York Business Center, Suite 205, 3209 W. 76<sup>th</sup> St.  
 Edina, MN 55402 (952-832-9090)

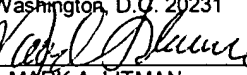
By:   
 Atty: Mark A. Litman  
 Reg. No. 26,390

CERTIFICATE UNDER 37 C.F.R. 1.10:

'Express Mail' mailing number: EL703682086US  
 Date of Deposit: December 20, 2000

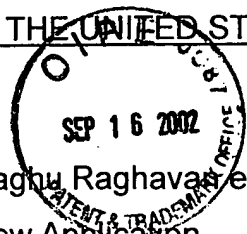
The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By:

  
 MARK A. LITMAN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY



Applicant: Raghu Raghavan et al.

Serial No. New Application

Filed: New Application

Docket No.

723.100US1

Title: A METHOD FOR DYNAMIC CHARACTERIZATION OF DENSITY  
FIELDS IN A COMPOUND STRUCTURE

Box **PATENT APPLICATION**

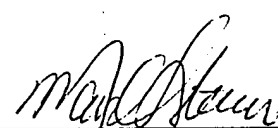
Assistant Commissioner for Patents  
Washington, D.C. 20231

**Communication Re: Small Entity Status**

Dear Sir or Madam:

I, Mark A. Litman, as the attorney of record for the above-mentioned patent application, upon best information and belief hereby state that Image-Guided Neurologics, Inc. is a small entity in accordance with the statute 37 C.F.R. 1.9(f) and 1.27(c).

MARK A. LITMAN & ASSOCIATES, P.A.  
York Business Center, Suite 205, 3209 W. 76<sup>th</sup> St.  
Edina, MN 55402 (952-832-9090)

By:   
Atty: Mark A. Litman  
Reg. No. 26,390

Rec [redacted] hereby acknowledged for the following in the U.S. Patent and Trademark Office

Applicant: Raghu Raghavan et al.  
Serial No. New Application  
Filed: New Application Docket No. 723.100US1  
Title: A METHOD FOR DYNAMIC CHARACTERIZATION OF  
DENSITY FIELDS IN A COMPOUND STRUCTURE



COPY

**CONTENTS:**

- ☒ Patent application including 27 pages of specification, 37 claims and 1 page of abstract
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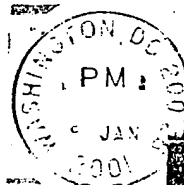
Date of Deposit: December 20, 2000  
Express Mail: EL 703682086US

jc846 U.S. PTO

09/745039



12/20/00



MARK A. LITMAN & ASSOCIATES, P.A.  
YORK BUSINESS CENTER, SUITE 205  
3209 WEST 76<sup>th</sup> ST.  
EDINA, MN. 55435

received  
1/12/01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Raghu Raghavan, et al. Examiner: Unknown  
Serial No. 09/745,039 Group Art: 3737  
Filed: December 20, 2000 Docket No. 723.100US1  
Title: METHOD FOR DYNAMIC CHARACTERIZATION OF DENSITY FIELDS IN  
A COMPOUND STRUCTURE

**COMMUNICATION RE: SUBMISSION OF FORMAL DRAWINGS****BOX DAC****Attn: OFFICIAL DRAFTSMAN**Assistant Commissioner for Patents  
Washington, D.C. 20231

Enclosed please find 14 sheets of formal drawings for the above-identified application.

The Examiner is invited to contact Applicant's Representatives, at the below-listed telephone number, if any further changes need to be made to the enclosed drawings. Authorization is hereby given to charge any fees that are owed for the submission of these drawings to Deposit Account Number 50-1391.

Respectfully submitted,

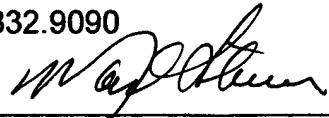
RAGHU RAGHAVAN, et al.

By Their Representatives,

Mark A. Litman & Associates, P.A.  
York Business Center, Suite 205  
3209 West 76<sup>th</sup> Street  
Edina, MN 55435  
(952)832.9090

Date: 12 September 2002

By

  
Mark A. Litman  
Reg. No. 26,390

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Box DAC, Attn: Official Draftsman, Washington, D.C. 20231 on 12 September 2002

Mark A. Litman  
Name

  
Signature

**RECEIVED**

SEP 19 2002

**OFFICE OF PETITIONS**



# UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER OF PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20230  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/745,039 ✓	12/20/2000 ✓	3737 ✓	508 ✓	723.100US1 ✓	14	37 ✓	2 ✓

Mark A. Litman & Associates, P.A.  
York Business Center, Suite 205  
3209 West 76th St.  
Edina, MN 55435



CONFIRMATION NO. 7943

## FILING RECEIPT



\*OC000000006101556\*

Date Mailed: 05/22/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

### Applicant(s)

Raghu Raghavan, Baltimore, MD;  
Timothy Poston, Singapore, SINGAPORE;  
John Kucharczyk, Novato, CA;

### Assignment For Published Patent Application

Image-Guided Neurologics, Inc.;

### Domestic Priority data as claimed by applicant

### Foreign Applications

If Required, Foreign Filing License Granted 05/21/2001

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

Title

**received**  
5/29/01 AM



Method for dynamic characterization of density fields in a compound structure

**Preliminary Class**

600

COPY

---

**Data entry by :** GEREMEW, FIKIRTE

**Team :** OIPE

**Date:** 05/22/2001

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

COPY

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231